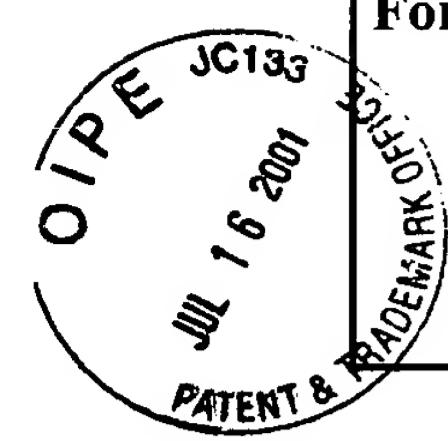


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**Form 1449 (Modified)****Information Disclosure  
Statement By Applicant**

(Use Several Sheets if Necessary)

Atty Docket No.

CAMIPO05

Application No.

09/811,283

Applicant:

Ewing et al.

Filing Date

March 15, 2001

Group

1635 1631

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**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	1A						

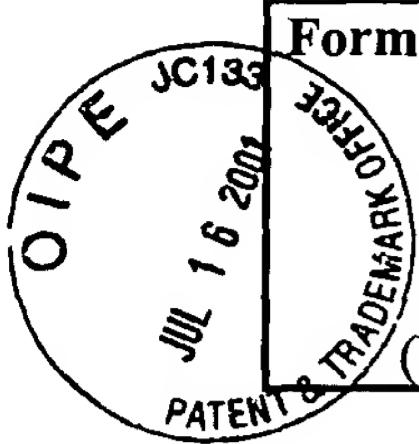
**Foreign Patent or Published Foreign Patent Application**

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
MSM	1B	WO 95/18969	07/13/95	PCT	601N	33/53	—	—
	1C							

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication					
MSM	1D	Bradford, M. M., et al., "A Rapid and Sensitive Method for the Quantitation of Microgram Quantities of Protein Utilizing the Principle of Protein-Dye Binding," ANAL. BIOCHEM., (1976) 72:248-54					
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MSM	1M	Gonzalez, F.J., et al., "Expression of Mammalian Cytochrome P450 Using Paccinia Virus," METHODS ENZYMOL., (1991) 206:85-92					
Examiner		Date Considered		4/15/03			

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


**Form 1449 (Modified)**
**Information Disclosure  
Statement By Applicant**

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 Atty Docket No.  
CAMIP005  
Applicant:  
Ewing et al.  
Filing Date  
March 15, 2001

 Application No.:  
09/811,285

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1635 TECH CENTER 600/2900  
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**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
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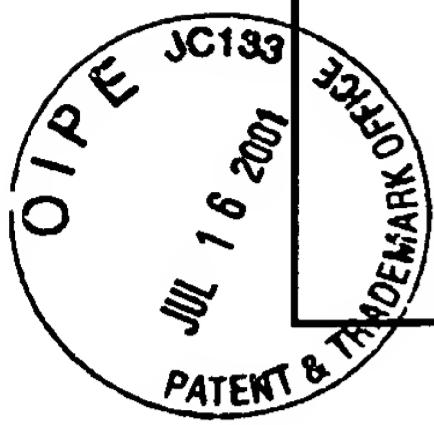
**Foreign Patent or Published Foreign Patent Application**

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	
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**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
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MSW	2J	Harada, N., et al., "Kinetic Isotope Effects on Cytochrome P-450-Catalyzed Oxidation Reaction," J. BIOL. CHEM., (1984) 259(5):3005-10
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Examiner	Date Considered	
MG Moran	4/15/03	

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)		Atty Docket No. CAMIPO05 Applicant: Ewing et al. Filing Date March 15, 2001	Application No.: 09/811,283  Group 1635 / 631
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Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	3A						

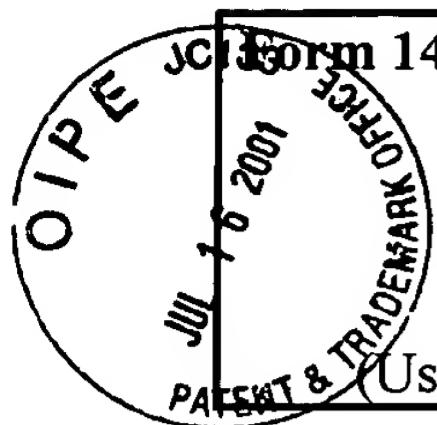
### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	3B							

### Other Documents

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Examiner	<i>M G Moran</i>			Date Considered	4/15/03		

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form 1449 (Modified)

**Information Disclosure  
Statement By Applicant**

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 Atty Docket No.  
CAMIPO05  
Applicant:  
Ewing et al.  
Filing Date  
March 15, 2001

 Application No.:  
09/811,283
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**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
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**Foreign Patent or Published Foreign Patent Application**

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation
	4B						

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
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Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form 1449 (Modified)		Atty Docket No. CAMIPO05	Application No.: 09/811,283
Information Disclosure Statement By Applicant		Applicant: Ewing et al.	RECEIVED Group 103 / JUL 18 2001 1635 TECH CENTER 1600/290
(Use Several Sheets if Necessary)		Filing Date March 15, 2001	

### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	5A						

### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation
							Yes No
	5B						

### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
MS	5C	Manchester, J.I., et al., "A New Mechanistic Probe for Cytochrome P450: An Application of Isotope Effect Profiles," J. AM. CHEM. SOC., (1997) 119:5069-70
MS	5D	Nelson, D.R., et al., P450 Superfamily: Update on New Sequences, Gene Mapping, Accession Numbers and Nomenclature, PHARMACOGENETICS, (1996) 6:1-42
MS	5E	Northrop, D.B., "Deuterium and Tritium Kinetic Isotope Effects on Initial Rates," METHODS ENZYMOL., (1982) 87:607-25
MS	5F	Northrop, D.B., "Steady-State Analysis of Kinetic Isotope Effects in Enzymic Reactions," Biochemistry, (1975) 14(12)2644-51
MS	5G	Omura, T., et al., "The Carbon Monoxide-Binding Pigment of Liver Microsomes," J. BIOL. CHEM., (1964) 239(7):2370-8
MS	5H	Poulos, T. L., et al., "High-Resolution Crystal Structure of CytochromeP450cam," J. MOL. BIOL., (1987) 195:687-700
MS	5I	Ravichandran, K. G., et al., "Crystal Structure of Hemoprotein Domain of P450BM-3, a Prototype for Microsomal P450's," SCIENCE, (1993) 261:731-6
MS	5J	Sakurai, H., et al., "Polar and Solvent Effects on Homolytic Abstraction of Benzylic Hydrogen of Substituted Toluenes by t-Butoxy Radical," J. AM. CHEM. SOC., (1967) 89(2):458-60
MS	5K	Shimoji, M., et al., "Design of a Novel P450: A Functional Bacterial-Human Cytochrome P450 Chimera," BIOCHEMISTRY, (1998) 37:8848-52
MS	5L	Silver, E.H., et al., "Structural Considerations in the Metabolism of Nitriles to Cyanide In Vivo," DRUG METAB. DISPOS., (1982) 10(5):495-8
MS	5M	Smith, P. B., et al., "4-Ipomeanol and 2 Aminoanthracene Cytotoxicity in C3H11IOTll2 Cells Expressing Rabbit Cytochrome P450 4B1," BIOCHEM. PHARMACOL., (1995) 50(10):1567-75
Examiner	MA Moran	Date Considered 4/15/03

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form 1449 (Modified)		Atty Docket No. CAMIPO05	Application No.: 09/811,283
Information Disclosure Statement By Applicant		Applicant: Ewing et al.	Group 1635-163
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#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
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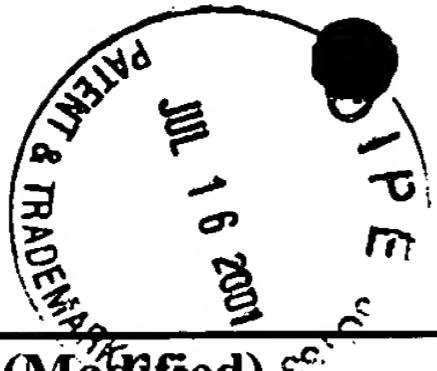
#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	
	6B							

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
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MSW	6D	Tassaneeyakul, W., et al., "Human Cytochrome P450 Isoform Specificity in the Regioselective Metabolism of Toluene and o-, m- and p-Xylene," J. PHARMACOL. EXP. THER., (1996) 276(1):101-8
MSW	6E	Tyson, C. A., et al., "The Roles of Putidaredoxin and P450cam in Methylene Hydroxylation," J. BIOL. CHEM., (1972) 247(18):5777-84
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MSW	6G	Westheimer, F. H., "The Magnitude of the Primary Kinetic Isotope Effect for Compounds of Hydrogen and Deuterium," CHEM. REV., (1961) 61(3):265-73
MSW	6H	White, R. E., et al., "Oxygen Activation by Cytochrome P-450," ANN. REV. OF BIOCHEM., (1980) 49:315-56
MSW	6I	White, R.E., et al., "Active Site Mechanics of Liver Microsomal Cytochrome P-450," ARCH. BIOCHEM. BIOPHYS., (1986) 246(1):19-32
MSW	6J	White, R.E., et al., "Stereocochemical Dynamics of Aliphatic Hydroxylation by Cytochrome P-450," J. AM. CHEM. SOC., (1986) 108: 6024-31
MSW	6K	Wislocki, P.G., et al., "Reactions Catalyzed by the Cytochrome P-450 System," ENZYMATIC BASIS OF DETOXICATION, (1980) 1:135-82
MSW	6L	Yin, H., et al., "Designing Safer Chemicals: Predicting the Rates of Metabolism of Halogenated Alkanes," PROC. NATL. ACAD. SCI. USA, (1995) 92(24):11076-80
MSW	6M	Zerner, Michael C., "Semiempirical Molecular Orbital Methods," REVIEWS IN COMPUTATIONAL CHEMISTRY II, Chapter 8, 313-365 (1991)
Examiner	M A Moran	Date Considered 4/15/03

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		Applicant: Ewing et al.	Group 1635/63)
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							Yes	No
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#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication					
MJM	7C	International Search Report for PCT/LTS99/17713 dated 11 November 1999					
MJM	7D	Abstract No. XP-002122407, P84 to Johnson et al., "Automated Modeling Predicts Active Site Geometries Consistent with the Regiospecificity of P450s 2C3v and 2C5 for Progesterone Hydroxylation," FASEB Journal 11(9):P785 (1997)					
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	7G						
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Examiner	<i>MJM Moran</i>			Date Considered	<i>4/15/03</i>		

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